

ABOUT THE COLLEGE

Vasavi College of Engineering (Autonomous) is established in 1981 by Vasavi Academy of Education. The college is accredited by NAAC with A++ grade. Six UG programs are accredited by NBA under Tier-I. It represents a rich tradition of excellence in technical education. The college is situated at Ibrahimbagh, in the vicinity of famous Golconda Fort, Hyderabad, Telangana. At present it is offering 7 UG programs in CSE, CSE (AI & ML), ECE, EEE, IT, Civil and Mechanical engineering and 4 PG Programmes in CSE, ECE, EEE and Mechanical Engineering. The UGC has conferred Autonomous status to the college up to 2030-31.

Vision: Striving for a symbiosis of technological excellence and human values"

Mission: To arm young brains with competitive technology and nurture holistic development of the individuals for a better tomorrow."

ABOUT THE PROGRAM

The theme of the FDP program is "Empowering the faculty of Engineering Colleges for the Quantum Revolution". Quantum technology is rapidly reshaping the landscape of science and technology. Its impact spans a wide array of domains including computing, communication, healthcare, cyber security, and transportation. This FDP aims to enhance the knowledge to understand latest technologies related to the concepts and applications of quantum mechanics and Quantum Computing. The primary objective of this program is to provide the fundamentals of quantum computing and to integrate the foundational quantum mechanics with quantum computing. This FDP prepare the faculty members, as well as research scholars and for next generation teaching in the field of Quantum Mechanics.

ABOUT THE PHYSICS DEPARTMENT

The Department of Physics has well qualified and experienced faculty with doctorate degrees. The faculty members are involved in research activities and regularly publishing papers in the Journals of high repute. Physics material research laboratory is equipped with micro controlled high temperature electric furnace (14000C), twin ball mill system, Keithley digital single balance, oven etc to synthesis phosphors, glasses, ceramics etc.

Department Mission: To imbibe the spirit of scientific temper and to instil logic and analytical approaching budding engineers.

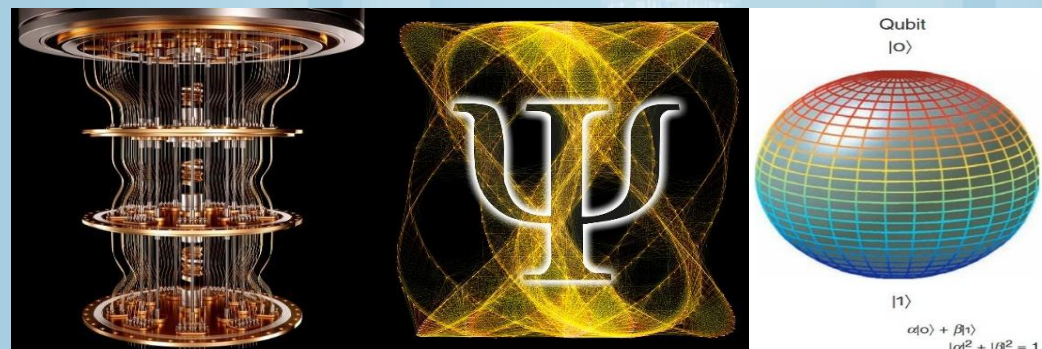
5 Day Faculty Development Program on Quantum Mechanics and Quantum Computing (QMQC -2025)

21-25 October 2025

Online Mode



Organised by
Department of Physics



VASAVI COLLEGE OF ENGINEERING (Autonomous)

(Sponsored by Vasavi Academy of Education)

Accredited by NAAC with 'A++' Grade

Ibrahimbagh, Hyderabad-500031, Telangana, India

Affiliated to Osmania University and Approved by AICTE www.vce.ac.in

5 Day Faculty Development Program on Quantum Mechanics and Quantum Computing (QMQC -2025)

Intended Participants:

Faculty members from Academic Institutions, research institutions and industry personnel. This program is designed to cater the needs of faculty members from various disciplines like CSE, ECE, EEE, Instrumentation, IT, Physics and host of other fields.

Certificate of participation:

The link for joining FDP will be sent to your registered email and FDP WhatsApp group. E- Certificate will be sent to the participants with 80% of attendance. Submission of feedback form for each session is mandatory to get E- Certificate.

How to Apply:

Interested candidates can apply by submitting duly filled in google form on or before 27th September 2025 after paying the registration fee.

Registration Fee: Rs. 200/-

Link for payment of registration fee:

<https://payments.billdesk.com/bdcollect/bd/vasavicollegeofengineering/18136>

Link for registration to FDP: <https://forms.gle/qqckQy7bJNztzNoz9>

Online Platform: MS Teams

Topics to be covered:

- Introduction to Quantum Mechanics and Linear Algebra
- Qubits, Bloch sphere representation
- Quantum Gates, Quantum circuits.
- Quantum errors and measurements
- Quantum Algorithms

Advisory Committee

Prof. J. Suryanarayana, IIT-Hyderabad.

Prof. S. Srinath, University of Hyderabad

Prof. M. Prasad, Head, Department of Physics, Osmania University

Prof. A.S. Saiprasad, Head, Department of Physics, VCE.

Dr. P. Venkateswara Rao, Associate Professor

Dr. G. Ramadevudu, Assistant Professor (Sr).

Organizing Committee

Chief Patrons: Sri. P. Ramamohan Rao, President, VAE

Sri V.M. Parthasarathi, Secretary, VAE

Patron: Prof. S. V. Ramana, Principal, VCE

Chairperson: Prof. A. S. Saiprasad, Head, Department of Physics.

Conveners: Dr. P. Venkateswara Rao, Associate Professor,

Dr. G. Ramadevudu, Assistant Professor (Sr)

Co-Conveners: Dr. R. Naga Raju, Assistant Professor

Dr. Vanita Thakur, Assistant Professor

Expert Speakers

Prof. Suryanarayana, Department of Physics, IIT Hyderabad

Prof. Prabha Mandayam, Dept. of Physics, IIT Madras

Prof. V. Subramanyam, University of Hyderabad, Hyderabad.

Prof. Narayanankutty Karuppath, Amrita University

Dr. R. Sankaranarayanan, Assoc Prof, NIT Trichy

Dr.T. S. L. Radhika, Assoc. Prof, BITS Hyderabad.

Dr. Ritwik M., Assoc. Prof, Dept. of Computer Science - Amrita University.

Dr. Parvinder Singh, Asst. Prof, Central University of Punjab.

Dr. Uday Kiran, Assoc. Prof, Dept. of Mathematics and Computer Science, Sri Satya Sai Institute of Higher Learning